



INSTRUCTION MANUAL

B/W CCD camera

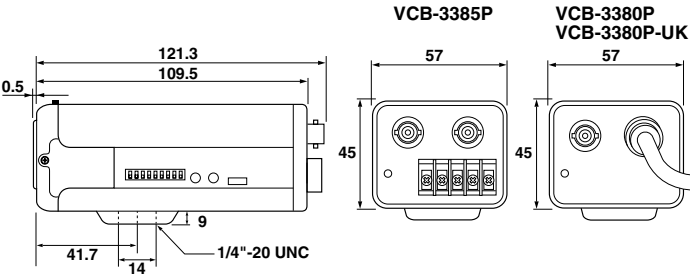
About this manual  
Before installing and using the camera, please read this manual carefully. Be sure to keep it handy for later reference.

VCB-3385P  
VCB-3380P  
VCB-3380P-UK

FEATURES

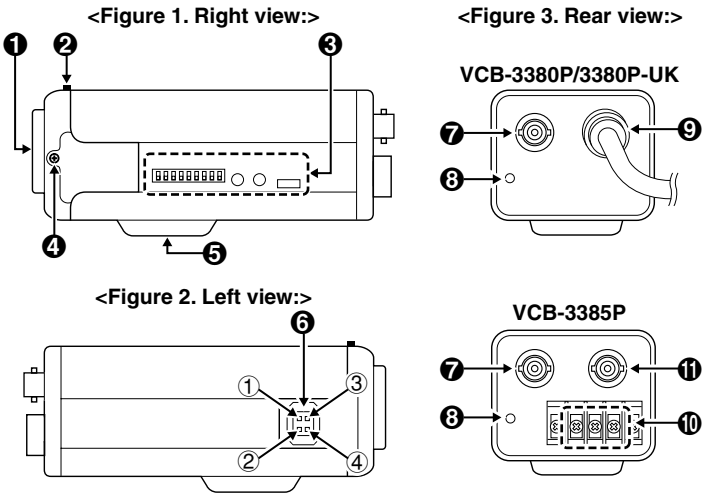
- Backlight compensation
- 1/3-inch CCD solid-state image device (about 470,000 pixels)
- Horizontal resolution of 570 TV lines, S/N ratio of 50 dB min.
- Minimum required illumination of 0.07 lx (F1.2 lens, 50 IRE)
- High speed electronic shutter: 1/50 – 1/100,000 sec.
- Power supply  
VCB-3385P: 24 V AC and 12 – 15 V DC  
VCB-3380P/3380P-UK: 220 – 240 V AC

External dimensions



Depending on the conditions of use, installation and environment, please be sure to make the appropriate settings and adjustments. If you need help with installation and/or settings, please consult your dealer.

NAMES AND FUNCTIONS OF PARTS



- <Figure 1. Right view:>
- ① Lens cap  
Protects the lens from damage.
  - ② Flange-back adjustment dial  
Adjusts the flange-back distance when a zoom lens is attached.
  - ③ Camera adjustment/setting panel  
Contains camera adjustment dials and setting switches.
  - ④ LOCK  
Locking screw for the flange-back adjustment dial.
  - ⑤ Camera attachment bracket  
Used to attach the camera.

- <Figure 2. Left view:>
- ⑥ LENS (lens iris output terminal)  
Used to connect the lens plug when the lens is attached.
    - ① Brake coil (–)      ② Brake coil (+)
    - ③ Drive coil (+)      ④ Drive coil (–)
  - <Figure 3. Rear view:>
  - VCB-3380/3380P-UK
    - ⑦ VIDEO OUT (video output terminal: BNC connector)  
Connects to the VIDEO IN (video input) terminal on the peripheral equipment.
    - ⑧ POWER (power indicator)  
Lights (red) when the camera power is ON.
    - ⑨ Power cord
  - VCB-3385P
    - ⑦ VIDEO OUT (video output terminal: BNC connector)  
Connects to the VIDEO IN (video input) terminal on the peripheral equipment.
    - ⑧ POWER (power indicator)  
Lights (red) when the camera power is ON.
    - ⑩ GND, AC24V, DC12V (ground terminal, 24 V AC or 12 V DC input terminal)
    - ⑪ VS IN (External sync composite video signal input terminal: BNC connector)

PRECAUTIONS

- In case of problem  
Do not use the camera if smoke or a strange odor comes from the unit, or if it seems not to function correctly. Disconnect the power cord immediately, and consult your dealer or a Sanyo Authorized Service Center.
- Do not open or modify  
Do not open the cabinet, as it may be dangerous and cause damage to the unit. For internal settings and repairs, consult your dealer or a Sanyo Authorized Service Center.
- Do not put objects inside the unit  
Make sure that no metal objects or flammable substance get inside the camera. If used with a foreign object inside, it could cause a fire, short-circuits or damages. If water or a liquid gets inside the camera, disconnect the power cord immediately, and consult your dealer or a Sanyo Authorized Service Center. Be careful to protect the camera from rain, sea water, etc.
- Be careful when handling the unit  
To prevent damages, do not drop the camera or subject it to strong shock or vibration.

- Install away from electric or magnetic fields  
If installed close to a TV, radio transmitter, magnet, electric motor, transformer, audio speakers the magnetic field they generate will distort the image.
- Protect from humidity and dust  
To prevent damages to the camera, do not install it where there is greasy smoke or steam, where the dampness may get too high, or where there is a lot of dust.

- Protect from high temperatures  
Do not install close to stoves, or other heat generating devices, such as spotlights, etc., or where it could be subject to direct sunlight, as that could cause deformation, discoloration or other damages. Be careful when installing close to the ceiling, in a kitchen or boiler room, as the temperature may raise to high levels. Install where the temperature range will stay between –10°C (14°F) and 50°C (122°F). (no condensation)
- Cleaning
  - Dirt can be removed from the cabinet by wiping it with a soft cloth. To remove stains, wipe with a soft cloth moistened with a soft detergent solution and wrung dry, then wipe dry with dry soft cloth.
  - Do not use benzine, thinner or other chemical product on the cabinet, as that may cause deformation and paint peeling. Before using a chemical cloth, make sure to read all accompanying instructions. Make sure that no plastic or rubber material comes in contact with the cabinet for a long period of time, as that may cause damage or paint peeling.

Printed on recycled paper

1AC6P1P2707–  
L73R2/XE, L73R5/XE, UK (0503TR-KP-TTC)



SANYO Electric Co., Ltd.  
Printed in Taiwan

TROUBLESHOOTING

- Before sending the camera out for repair, check the items below. If the problem persists after checking these items, contact your place of purchase or a Sanyo Authorized Service Center.
- If no image appears
    - Is the power ON?
    - Is the coaxial cable attached securely?
    - Are the power and voltage normal?
    - Is there adequate illumination?
  - If the image is unclear
    - Is the lens in focus? Is the flange back distance adjusted correctly?
    - Is the lens dirty?  
Dirt or fingerprints on the lens can adversely affect the image. Gently wipe any dirt or fingerprints off the lens with a soft cloth or lens cleaning paper and cleaning fluid (commercially available).
    - Is the monitor adjusted correctly?

SERVICE

The camera is a precision instrument. Handle it carefully and always follow the safety precautions. If the camera requires service, never try to repair it yourself or open the casing. For servicing, maintenance, or repairs, contact your place of purchase or a Sanyo Authorized Service Center.

SPECIFICATIONS

Scanning system	: CCIR standard (625 scanning lines, 25 frames/second)
Interface	: PLL 2: 1 interface
Image device	: 1/3-inch solid-state CCD
Number of pixels	: 795 (H) × 596 (V)
Number of pixels in image area	: 752 (H) × 582 (V)
Sync system	: Internal sync/Line lock (manually switched) VCB-3385P only; External sync (automatically switched)
Resolution	: 570 TV lines
Video output terminal	: 1.0 V(p-p)/75 Ω, composite
Image S/N ratio	: 50 dB min.
Electronic shutter speed	: 1/50 – 1/100,000 sec.
Minimum required illumination	: 0.07 lx approx. (with F1.2 lens, 50 IRE)
Backlight compensation ON/OFF	: Set to “ON” or “OFF”
Auto-iris lens output	: DC output (variable DC level), 4-pin terminal
Lens mount	: CS mount
Flange-back	: 12.5 mm (adjustment range: ±0.5 mm)
Auto-iris lens switching	: EI/VIDEO/DC
Attachment screw hole diameter	: 1/4"-20UNC (top or bottom surface)
Operating environment	: Ambient temperature: –10 to +50°C (14 to 122°F) Humidity: 90% RH max.
Power supply	: VCB-3380P/3380P-UK; 220 – 240 V AC/ 50 Hz VCB-3385P; 24 V AC/50 Hz, 12 – 15 V DC
Power consumption	: VCB-3380P/3380P-UK; 3.5 W approx. VCB-3385P; 3.0 W approx.
Weight	: VCB-3380P/3380P-UK; 490 g approx. VCB-3385P; 245 g approx.
Accessories	: VCB-3385P only; Clamping core (1 pc.)

Appearance and specifications are subject to change without prior notice.

